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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

Vol. IX, No. 10 — MONTANA RECORD PUBLISHING CO. HELENA, MONTANA — OCTOBER, 1961

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of October 1961, averaged 86,889 barrels daily, an increase of 354 barrels from the average September production of 86,535.

The nine refineries in the State processed 43,973 barrels of crude oil daily for the month of October, 1961, a decrease of 23,907 barrels from the 67,880 barrels processed daily during the month of September, 1961.

During October, 46 wells were completed, 22 oil, 1 gas well and 23 dry holes.

During October, the commission issued 42 permits to drill new wells, an increase of 12 from the 30 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1961

IN STORAGE OCTOBER 1st:	
By Producers	366,428
By Transporters	1,077,757
By Refiners	714,968
TOTAL STORAGE	2,159,153
Produced in Montana During Month	2,693,574
Imported During Month	667,343
TOTALS	5,520,070
DISPOSITION:	
Refined in Montana	1,363,184
Exported	1,928,261
Used for Fuel or Lost	21,243
TOTAL	3,312,688
IN STORAGE OCTOBER 31st:	
By Producers	371,051
By Transporters	1,042,044
By Refiners	794,287
TOTAL STORAGE	2,207,382

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1961

Field	M Cu. Ft.
Bears Den	694
Big Coulee	77,974
Bowdoin	326,975
Bowes	116,583
Box Elder	0
Cabin Creek	86,143
Cedar Creek	345,368
Clarks Fork	0
Cut Bank (including Reagan)	1,196,839
Devon	0
Dry Creek	292,133
Elk Basin	19,794
Flat Coulee	5,357
Golden Dome	0
Grandview	0
Hardin	6,447
Havre	0
Keith Block	258,728
Kevin Sunburst	76,408
Pine	69,613
Plevna	14,769
Utopia	12,738
Whitlash	94,210
Miscellaneous	18,910
TOTAL	3,019,683

Total Withdrawals for October, 1960 were 2,770,573 M Cu. Ft.

PRODUCERS REPORT
MONTH OF OCTOBER, 1961

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	718	2,376		2,572		522
5	Bannatyne	13	2,219	843		1,335		1,727
1	Belfry	1	132	1,054		1,107		79
12	Big Wall	30	4,359	44,851	40,787	3,301	29	5,093
12	Blackfoot	17	3,629	8,471	6,949			5,151
4	Border	4	231	2,313		2,412		132
1	Bowes	78	4,806	18,616	18,694		18	4,710
2	Bredette, North	2	1,110	750	504			1,356
2	Brorson	2	2,368	2,141	2,236			2,273
2	Cabin Creek	104	6,670	318,631	318,560			6,741
22	Cat Creek	99	4,281	19,423	18,934			4,770
1	Clark's Fork, North	2	2,104	1,121		3,225		
1	Cupton	1	677	834	550			961
367	Cut Bank	1,037	123,203	170,641	167,485		97	126,262
3	Deer Creek	6	2,135	19,981	19,985			2,131
2	Delphia	2	916	761	455			1,222
	Devil's Basin		889					889
3	Dry Creek	3	915	1,769	1,686			998
15	Dwyer	15	10,744	70,672	71,855		621	8,940
7	Elk Basin	52	3,438	226,383	226,333		73	3,415
	Fertile Prairie		168					168
2	Frannie	2	432	2,051	2,000			483
2	Gage	2	815	576	523			868
4	Gas City	10	6,148	58,600	61,882			2,866
6	Glendive	11	2,464	46,113	48,040			537
4	Gypsy Basin	4	1,176	1,067	734			1,509
2	Hibbard	2	948	2,237		2,397		788
9	Ivanhoe	21	5,049	36,541	34,945			6,645
5	Keg Coulee	12	4,749	58,597	59,253			4,093
163	Kevin Sunburst	960	19,999	54,211	48,940			25,270
1	Little Beaver	21	2,861	36,074	37,663			1,272
4	Little Beaver East	11	5,260	29,220	30,627		123	3,730
	Mackay Dome		770					770
3	Melstone	8	2,071	3,883	4,154			1,800
5	Monarch	13	4,980	26,688	26,403			5,265
3	Mosser	4		504		504		
7	Outlook	11	4,698	48,489	46,845			6,342
3	Outlook, South	3	1,403	3,529	2,916			2,016
20	Pennel	28	10,124	86,356	37,848	46,726		11,906
4	Pine	150	13,296	456,947	457,748			12,495
80	Pondera	301	7,969	39,607	37,189			10,387
7	Poplar, East	91	22,679	187,112	192,423		11	17,357
3	Poplar, Northwest	4	1,263	1,786	2,111			938
4	Ragged Point	10	2,690	13,135	13,055			2,770
3	Reagan	33	3,124	15,374	15,971			2,527
9	Red Creek	20	3,645	32,371	5,917	25,576		4,523
1	Redstone	1	732	1,069	1,355			446
1	Repeat	1	674	1,984	1,964			694
7	Richey	11	3,955	8,230	8,601			3,584
2	Richey, Southwest	2	1,976	4,546	4,822			1,700
4	Sand Creek	5	4,810	12,458	13,758			3,510
2	Sidney	2	1,988	1,951	2,653			1,286
2	Snyder	4	1,564	1,647		1,087		2,124
4	Soap Creek	8	3,861	5,643		5,035		4,469
9	Stensvad	25	7,894	140,751	139,390			9,255
27	Sumatra	92	14,971	228,053	226,748		916	15,360
6	Sweetgrass Hills	6	2,593	4,614		4,727		2,480
5	Tule Creek	7	3,304	50,695	49,825			4,174
12	Whitlash	31	4,684	13,582	9,606			8,660
11	Wills Creek	16	4,123	33,601	33,583			4,141
10	Wolf Springs	19	3,934	25,656	25,645			3,945
3	Woodrow	3	1,040	6,395	6,909			526
922		3,437	366,428	2,693,574	2,587,059	100,004	1,888	371,051

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1960	30,239,915	82,849	30,213,359	82,776
First Quarter, 1961	7,439,465	82,660	7,441,654	82,685
Second Quarter, 1961	7,543,737	82,896	7,508,896	82,515
Third Quarter, 1961	7,937,751	86,279	7,944,087	86,348
October, 1961	2,693,574	86,889	2,687,063	86,679

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage
December, 1960	359,360	669,036	652,546	1,680,942
March, 1961	348,087	721,005	636,988	1,706,080
June, 1961	377,538	887,739	701,122	1,966,400
September, 1961	366,428	1,077,757	714,968	2,159,153
October, 1961	371,051	1,042,044	794,287	2,207,382

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF OCTOBER, 1961

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,572				2,572		
BANNATYNE—Truck			1,335			1,335			
BELFRY—Truck			1,107				1,107		
BIG WALL									
Glacier Pipe Line Co.		40,787				40,787			
Truck			3,301			3,301			
		40,787	3,301			44,088			
BLACKFOOT—Union Oil Co.		6,949				6,949			
BORDER—Truck			2,412			2,412			
BOWES—Texaco, Inc.		18,694				18,694			
BRORSON—Sun Oil Co.		2,236					2,236		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	315,083	983,686	46,726	531,701			1,568,211		308,985
Shell Pipe Line Corp.	6,224	186,491			(55)			187,659	5,111
	321,307	1,170,177	46,726	531,701	(55)		1,568,211	187,659	314,096
CAT CREEK—									
Glacier Pipe Line Co.		15,954				15,954			
CLARK'S FORK—Truck			3,225				3,225		
CUT BANK—									
Big West Oil Co.				25,996		25,996			
Darling Gathering System, Inc.	9,215	8,262						15,297	2,180
Glacier Pipe Line Co.				89,116			89,116		
Phillips Petroleum Co.	112,949	57,793		11,889	411	62,989		13,053	106,178
Texas Pipe Line Co.	74,060	88,697			404			90,982	71,371
Teton Pipe Line Corp.	48,723	41,448			401			28,426	61,344
Union Oil Co.	112,436	52,078		29,494	700	89,321			103,987
	357,383	248,278		156,495	1,916	178,306	89,116	147,758	345,060
DELPHIA—Glacier Pipe Line Co.		455					455		
DRY CREEK—									
Marathon Pipe Line Co.	9,199	1,686			111	3,216			7,558
ELK BASIN—Ohio Oil Co.		226,333				2,256	224,077		
FRANNIE—Ohio Oil Co.		2,000					2,000		
GAGE—Glacier Pipe Line Co.		518				518			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK									
The Texas Pipe Line Co.	9,085	88,693			408		57,574	33,212	6,584
HIBBARD—Truck			2,397				2,397		
IVANHOE—Glacier Pipe Line Co.		36,411					36,411		
KEG COULEE—									
Glacier Pipe Line Co.		56,848				20,326	36,522		
KEVIN-SUNBURST—									
Big West Oil Co.	4,096	60,801				62,830			2,067
Homestake Oil & Gas Co.	4,292	2,836		15,297		20,902			1,523
The Texas Pipe Line Co.	5,696	32,465			418	8,012		24,035	5,696
	14,084	96,102		15,297	418	91,744		24,035	9,286
MELSTONE—									
Glacier Pipe Line Co.		5,001				5,001			
MOSSER—Truck			504				504		
PONDERA—Phillips Petr. Co.	48,771	39,186			315	45,793			41,849
POPLAR, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK & DWYER									
East Poplar Gathering System	11,861	312,326			603			310,829#	12,755
RAGGED POINT—									
Glacier Pipe Line Co.		13,492				13,492			
REAGAN—Union Oil Co.		15,971				15,971			
RED CREEK—									
Union Oil Co.		5,917				5,917			
Truck			25,576				25,576		
		5,917	25,576			5,917	25,576		
SIDNEY—Sun Oil Co.		2,653					2,653		
SNYDER—Truck			1,087				1,087		
SOAP CREEK—Truck			5,035				5,035		
SUMATRA AND STENSVAD—									
Crude Oil Pipe Line, Inc.	24,833	23,053			329	23,626			23,931
Glacier Pipe Line Co.	274,085	328,261			10,147	126,106	194,551		271,542
	298,918	351,314			10,476	149,732	194,551		295,473
SWEETGRASS HILLS—Truck			4,727			4,727			
WHITLASH—									
Big West Oil Co.		9,188				9,188			
Union Oil Co.		418				418			
		9,606				9,606			
WOLF SPRINGS—									
Crude Oil Pipe Line, Inc.	7,149	25,872			(390)	24,028			9,383
TOTALS	1,077,757	2,793,459	100,004	703,493	13,802	660,065	2,255,309	703,493	1,042,044

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey, and Wills Creek Fields.

#Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1961

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Petrofuels Rfg. Co ,.Inc.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall						3,755				3,755
Blackfoot									10,958	10,958
Bowes			19,102							19,102
Cat Creek		9,648				2,950				12,598
Cut Bank	21,318							62,139	93,877	177,334
Dry Creek				1,350						1,350
Elk Basin		50,863			111,963					162,826
Gage						523				523
Kevin Sunburst	62,003									62,003
Pondera								46,134		46,134
Reagan									257	257
Red Creek									3,796	3,796
Richey, S. W.							3,078			3,078
Sumatra and Stensvad		584		131,363	49,621					181,568
Tule Creek							1,448			1,448
Whitlash									621	621
Wolf Springs					8,490					8,490
Total Montana Oil	83,321	61,095	19,102	132,713	170,074	7,228	4,526	108,273	109,509	695,841
Canadian Oil Imported			3,218						176	3,394
Wyoming Oil Imported		290,453		285,558	87,938					663,949
Total Mont., Canadian & Wyoming Oil	83,321	351,548	22,320	418,271	258,012	7,228	4,526	108,273	109,685	1,363,184

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1960	28,852	56	39,406	68,314
October, 1960	30,197	14	34,236	64,447
October, 1961	22,446	110	21,417	43,973

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
	42.23%	.09%	57.68%
	46.85%	.03%	53.12%
	51.04%	.26%	48.70%